



AMES LABORATORY

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# What Does the Laboratory NOT HAVE?

- Our own power plant or overhead transmission lines
- Our own water treatment facility or sewage system
- Any production facility
- Our own fire department
- Our own security force
- A nuclear criticality facility
- Our own cafeteria or library
- Fences and security clearance requirements
- Poor relationship with community's environmental activists



# Overview of the Laboratory

- Located at Iowa State University
- 660 full and part-time employees
- 320 Full Time Equivalent (FTE)
- Graduate Students ~20% of Work Force
- Synergy With the University
- Twelve Buildings/327,664 gsf
- 74% is 40+ years old
- 51% is 50+ years old
- Last Line Item 10 years Ago



# Science Overview

Single Program Laboratory-Basic Energy Science

Core Competencies:

- Analytical instrumentation and technology
- Materials – discovery, design, synthesis and processing
- Theory and computation
- Diverse teaming/utilization of contractor resources





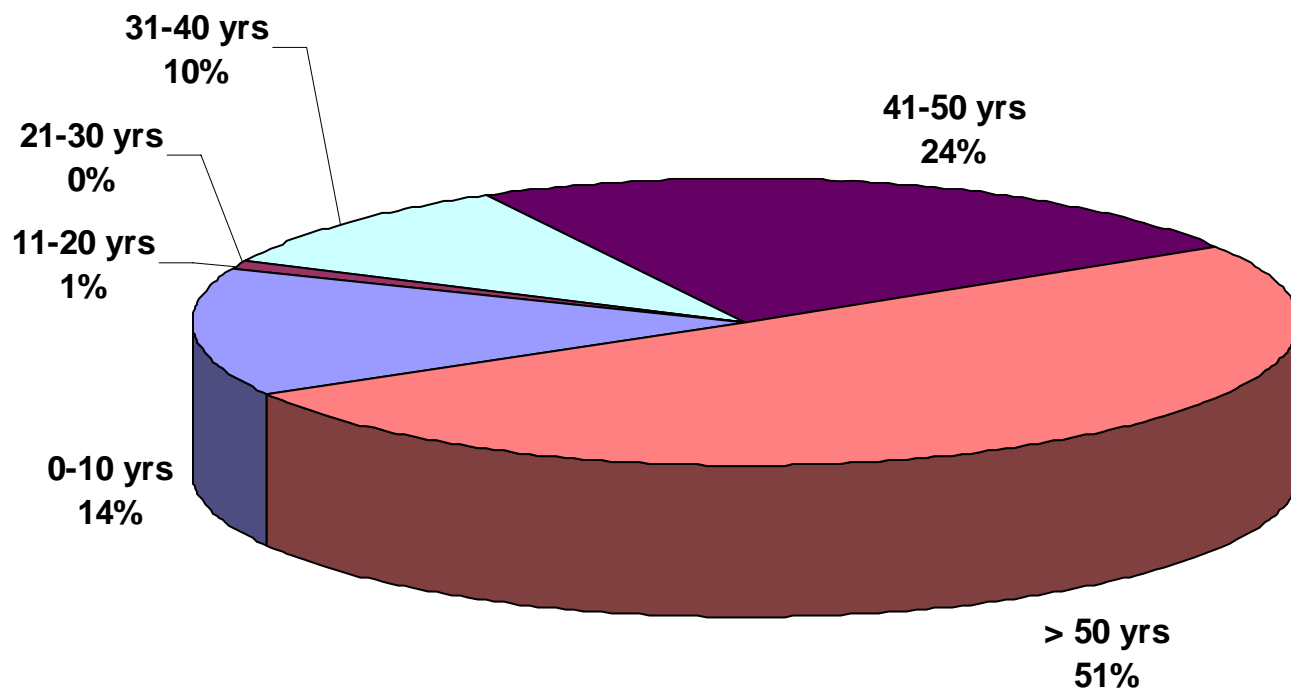
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## Small Scale Science



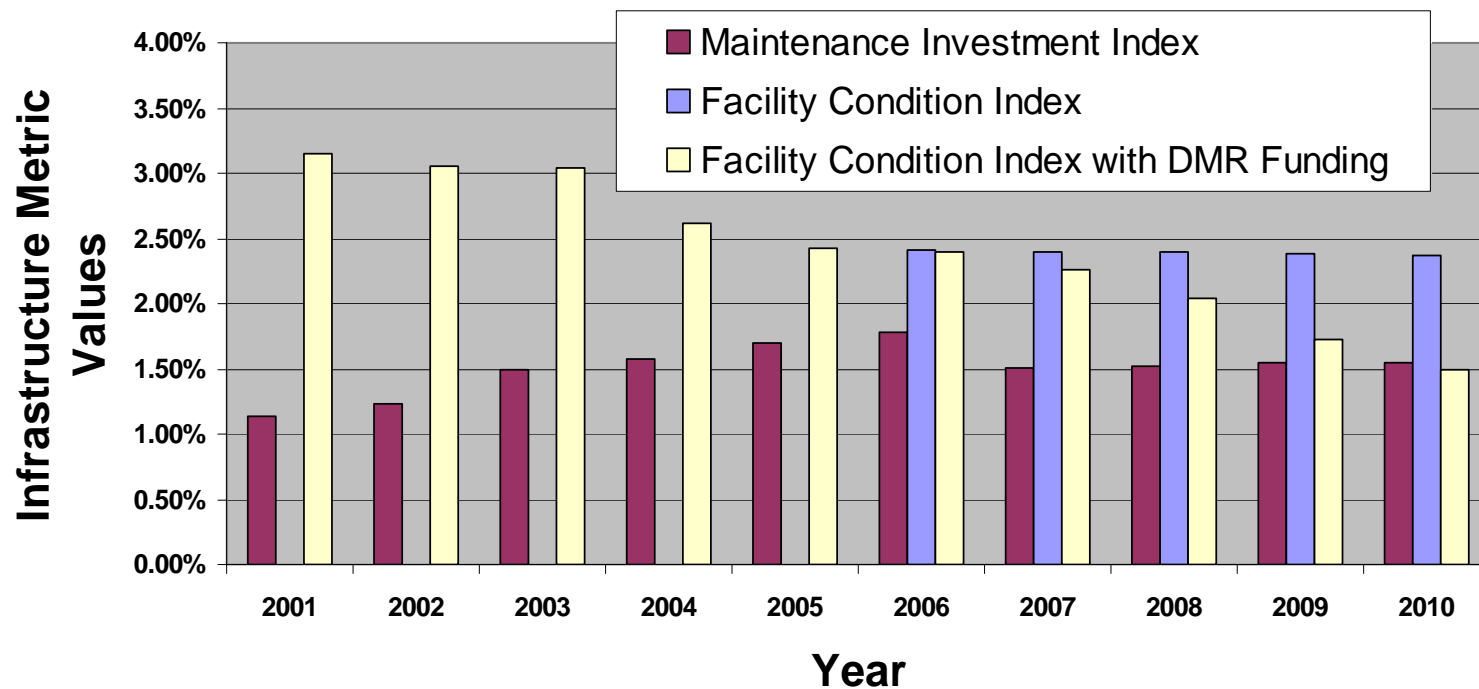


## Facility Age



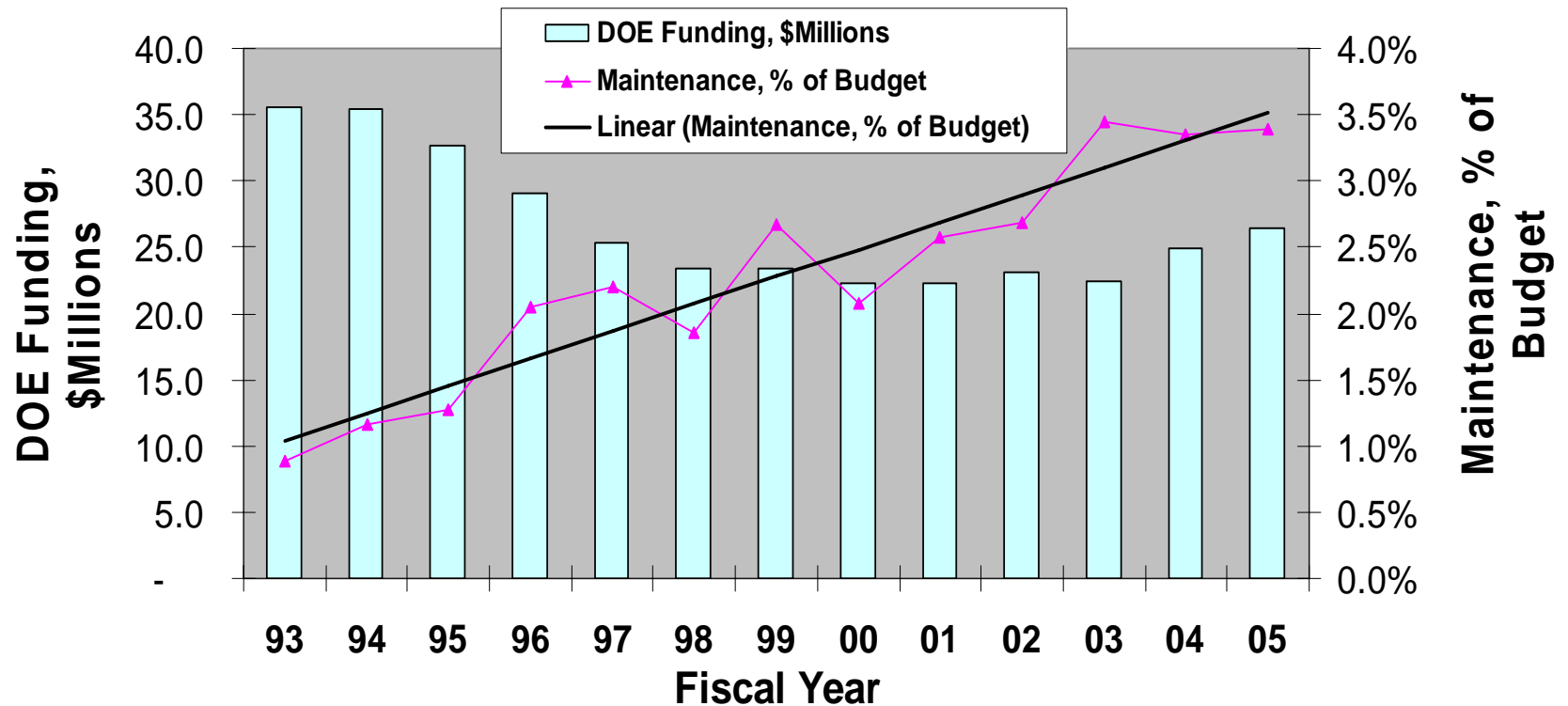


## Infrastructure Metrics Summary





## MAINTENANCE SPENDING VS. DOE BUDGET







## Current Status

- Facilities are in good condition and deferred maintenance is under control
- Occupant surveys indicate high levels of satisfaction with facility condition
- Maintenance expenditures must meet the “displacement test”
- Issue: Escalating maintenance targets in a flat budget environment



## What's Ahead

- Validate deferred maintenance using an independent inspection consultant
- Efficient use of maintenance expenditures
- Incorporate DM reduction considerations into capital improvement projects
- Use direct DM reduction funding to drive FCI below 2%



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